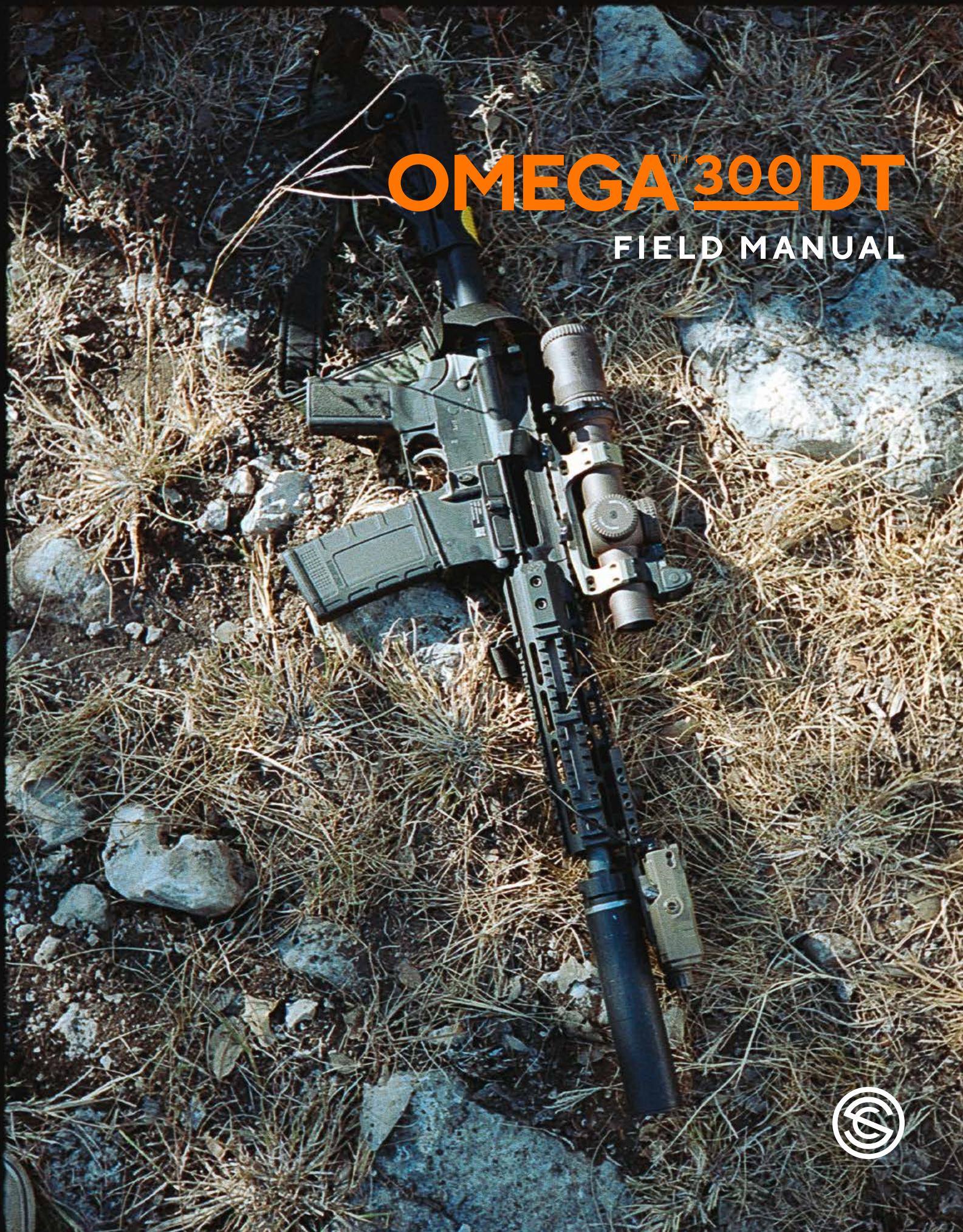


OMEGA™ 300 DT

FIELD MANUAL

Table of Contents

1 WARNING

2 AMMUNITION SELECTION

3 OVERVIEW & PRODUCT SPECS

4 ASSEMBLY

6 MAINTENANCE

7 LIMITED LIFETIME WARRANTY

8 REGISTER & SUPPORT ASA

Warning

Failure to follow installation and maintenance instructions detailed in this manual may result in **serious personal injury** and damage to the firearm. **Do not attempt to use this product unless you have specific training and experience in the use of firearms.**

Because suppressed firearms make less noise than unsuppressed firearms, it is easy to forget that they are still firearms and capable of causing bodily injury and property damage. Remember, a suppressed firearm should be treated with the same safety and caution as an unsuppressed firearm.

Firearm silencers are user-attached firearm muzzle devices, and as such are subject to improper attachment issues unless the procedures outlined in this manual are followed precisely.

Before installing the silencer on the host firearm, be sure the firearm is unloaded and the action is opened so the firearm is visibly clear of any ammunition. If you are at all unsure as to the proper procedures to ensure your firearm is unloaded, please consult your firearm user's manual/ instructions and/or contact a properly licensed dealer or the manufacturer or gunsmith of your firearm.

Check the fit between barrel and silencer before firing! The mount must be fully shouldered on the barrel. There should be no visible gap between the barrel shoulder and the face of the silencer thread mount. Poor accuracy and product damage may result if the silencer is not properly shouldered.

Silencers must be free of obstructions such as mud, dirt, etc. DO NOT attempt to shoot through an obstructed silencer. If submerged in water, the user must allow sufficient time to drain the silencer completely.

To ensure your silencer remains secure while firing, it is of the utmost importance that you frequently verify the silencer is securely tightened onto the barrel. We recommend checking the security of the attachment after 30 discharges of the firearm.

Before removing the silencer from the host firearm, be sure the firearm is unloaded and the action is opened so it is visibly clear of any ammunition. When removing the silencer, use extreme caution as it may be hot to the touch after firing. Use heat-resistant gloves to avoid burns or other injuries. Once the silencer is removed from the host firearm, SilencerCo recommends using a thread protector or other muzzle device to protect the muzzle threads and crown, during storage or transport.

Ammunition Selection

The silencer is designed to suppress the initial muzzle blast and subsequent projectile de-corking pressure. The silencer doesn't contact or otherwise interact with the bullet, allowing the projectile to travel at its default speed. Because of this, a sonic crack may be produced by the projectile as it breaks the sound barrier.

Depending on the geography of the area, the sonic crack may vary in volume. This is solely a function of the projectile breaking the sound barrier and is not related to product performance.

If desired, sonic crack can be avoided with the use of subsonic ammunition. Subsonic ammunition can be identified by a muzzle velocity that does not exceed the speed of sound. The speed of sound in an environment increases with temperature, and ranges between 1000 feet per second (at approx -40°F/-40°C) and 1200 feet per second (140°F/60°C).

Do not use ammunition with unjacketed lead bullets. Exposed lead projectiles will deposit lead inside your silencer and cannot effectively be removed.

Overview & Product Specs

The Omega 300 DT is the best selling centerfire rifle silencer in history. It is also short, light, and quiet making it one of the most versatile centerfire rifle silencers on the market. In addition to its performance, the Omega's design allows for maximum user adaptability and convenience.

The Omega 300 DT is full-auto rated and is compatible with a range of ammunition from .22 Hornet to .300 Winchester Magnum. The Omega 300 DT is rated down to 10" barrels for .223 Remington/5.56 NATO, 16" barrels for .308 Winchester/7.62 NATO, and 20" barrels for .300 Win Mag. The Omega was designed to be used "dry" and free of any ablative media, such as grease and water. If submerged in water, the user must allow a minimum 6 second drain time after exiting the water

The Omega 300 DT ships with the attached direct thread mount and Anchor Brake. All tools required for installation and removal are included.

CALIBERS & RESTRICTIONS
2.23 Rem / 5.56 NATO to .300 WM

MATERIALS
17-4 SS, Cobalt 6, &
Grade 9 Titanium

DIAMETER
1.57"

WEIGHT
12.6 OZ

LENGTH
6.98"

Muzzle Average		
556 NATO	131.4 dB	16" AR
.300 BLK	124.0 dB	8.5" AR
.308 WIN	133.5 dB	20" Bolt
.300 WM	139.3 dB	24" Bolt

Included

BRAVO DIRECT THREAD MOUNT 5/8 x 24
AC669

OMEGA 300 DT
SU5400

BRAVO MULTI-TOOL
AC2626

BRAVO SPANNER WRENCH
AC2634

.30 CAL ANCHOR BRAKE
AC2022

Assembly

MOUNTING OPTIONS

For optimum performance and to avoid damage to your silencer, we recommend using only SilencerCo approved mounts and accessories.

Whether you prefer the simple, shorter nature of a direct thread setup, or the quick attach/detach features of the ASR Mount, you should take care to ensure the silencer is mounted securely to your firearm before firing. SilencerCo offers mounts in all of the popular barrel thread patterns. Users must ensure they are using the proper mounts that match their barrel threads and that there is a proper shoulder for the mount to seat against. These instructions will help to prevent the problems and dangers that can arise from improper installation.

Assembly

Direct Thread Mount

BRAVO DIRECT
THREAD MOUNT
MULTIPLE SKUS

OMEGA 300 DT
SU5400

INSTALLATION & REMOVAL

Thread the mount by hand. Avoid cross-threading. Tighten with provided Bravo Multi-tool.

To remove, perform steps in reverse order.

MOUNTING TO THE FIREARM

Taking care not to cross-thread, screw the silencer onto the barrel until it's firmly secured and no additional barrel threading is visible. Hand tighten only.

To remove, perform steps in reverse order.

READY FOR USE

Assembly

ASR Mounting System

ASR MOUNT

The ASR Mount is a proprietary quick-attach/detach mounting system, and as such requires a compatible muzzle device (muzzle brake or flash hider). SilencerCo recommends the use of the included shim kit if any indexing of the mount is required. Crush washers are NOT recommended as they do not crush uniformly and WILL cause improper mounting and baffle strikes. For proper alignment, it is essential that the muzzle device seats against a 90° barrel shoulder.

WATCH ASR MOUNT VIDEO

MUZZLE DEVICES

Thread the ASR muzzle device onto the barrel. Use the provided shim kit to ensure proper ASR muzzle brake alignment. Timing with shims is not necessary on ASR flash hiders. Tighten onto barrel using the wrench flats at the rear of the brake. Use of Rocksett™ or another high-temp threadlocker is recommended to secure the muzzle device. Muzzle devices should be tightened to approximately 20-30 ft-lbs.

Assembly

ASR Mounting System

MUZZLE DEVICE
MULTIPLE SKUS

BRAVO ASR MOUNT
AC824

OMEGA 300 DT
SU5400

INSTALLATION & REMOVAL

Thread on the ASR mount. Use the included spanner wrench to tighten the ASR Mount body approximately 20-30 ft-lbs.

To remove, perform steps in reverse order.

MOUNTING TO THE FIREARM

Verify the ASR collar is in the **unlocked** position before installing on your firearm. Install the silencer by sliding the back end over the muzzle device, then screw the silencer onto the muzzle device until it is firmly seated against the shoulder.

Rotate the ASR collar to the **locked** position until the closed padlock icon aligns with the set screw.

To remove, perform steps in reverse order.

READY FOR USE

Assembly

Thread Over Mounting System (TOM)

MUZZLE DEVICE
MULTIPLE SKUS

BRAVO TOM
AC5230

OMEGA 300 DT
SU5400

INSTALLATION & REMOVAL

Hand tighten the Thread Over Mount into the body of the silencer. Use the included Bravo Multi-Tool to hold the silencer and a spanner tool to tighten the TOM to approximately 20-30 ft-lbs.

To remove, perform steps in reverse order.

MOUNTING TO THE FIREARM

Thread the TOM equipped suppressor onto the TOMD-equipped host until firmly seated against the shoulder.

To remove, perform steps in reverse order.

READY FOR USE

Assembly

Anchor Brake

OMEGA 300 DT
SU5400

BRAVO ANCHOR BRAKE
AC2022

INSTALLATION & REMOVAL

Thread the Anchor Brake into the silencer by hand. Do not cross thread. Install other compatible SilencerCo Front Caps the same way.

To remove, perform steps in reverse order. Use the included Bravo Multi-Tool if the Anchor Brake is tight.

READY FOR USE

CAUTION

Firing the Omega 300 DT without the Anchor Brake or a SilencerCo front cap will negate benefits of using a silencer and will void the warranty.

Maintenance

The Omega 300 DT typically requires limited maintenance. Mounts should periodically be cleaned with any standard gun cleaning solvent and a brush to remove any carbon or fouling. If necessary, run a cleaning brush through the bore to remove any light fouling of the silencer.

Do not run cleaning patches through the bore as the patches might become lodged in the silencer and cause damage upon firing.

CAUTION

Always read the warning label on any cleaner or solvent, and remember that virtually all solvents are ***inherently dangerous and potentially toxic.*** *Always use adequate ventilation and both skin and eye protection when using solvents.*

Limited Lifetime Warranty

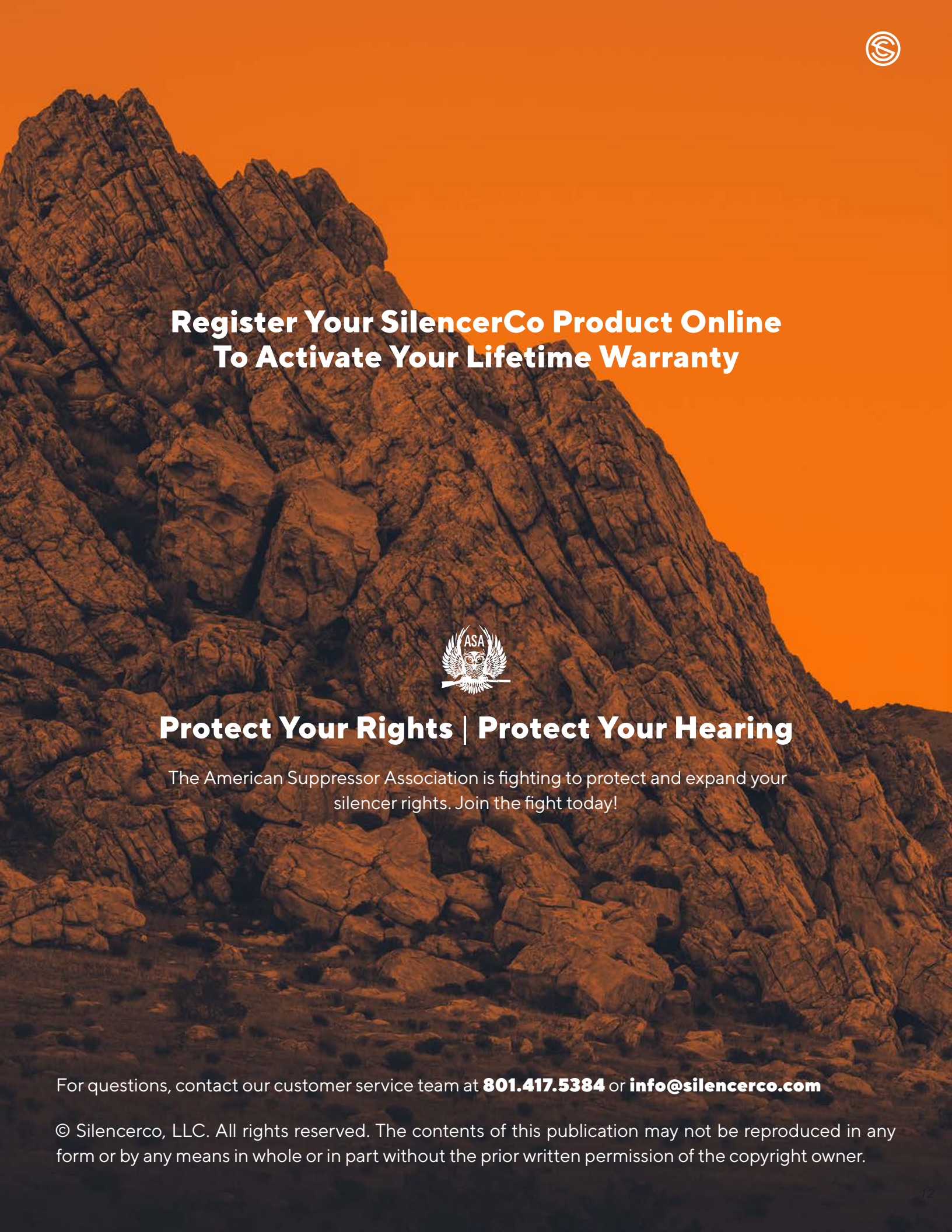
Silencerco, LLC ("**SilencerCo**") warrants to you that if any product sold by SilencerCo's and used for its intended use ever becomes defective, SilencerCo's will repair or replace the product at no charge, other than shipping, subject to the conditions set forth below.

THE WARRANTY EXTENDS ONLY TO THE ORIGINAL REGISTERED PURCHASER. This warranty does not cover damage to our products or host firearm resulting from careless or irresponsible handling adjustments or modifications to its intended design, negligence, or other unforeseeable abuse. SilencerCo assumes no liability for unsafe or illegal use of the silencer by its purchaser or any other user that comes in contact with the product after purchase. SilencerCo assumes no responsibility for physical injury or property damage resulting from careless or irresponsible handling or by any use contrary to the recommendations, warnings and cautions generally listed in this manual. SilencerCo does not cover damage to the silencer or host firearm resulting from improper "***hand-loaded, reloaded, previously used or otherwise defective ammunition.***" **THIS WARRANTY IS FURTHER REGULATED BY RELEVANT AND APPLICABLE STATE AND FEDERAL LAWS.**

If SilencerCo's determines that you satisfy the conditions for warranty coverage under this limited warranty, SilencerCo's will, at no charge, replace or repair the SilencerCo product with the same or similar model subject to the terms herein. If no replacement is available, and SilencerCo determines that the product cannot be repaired, SilencerCo will replace your nonperforming or defective unit with a unit that, in SilencerCo's sole determination, is substantially similar to your lawfully purchased and registered product. This warranty extends to any and all parts as originally sold by us, but **does not extend to any altered product or firearm that is altered or rebuilt after original purchase, damaged through abuse, misuse through lack of proper care and maintenance, or used other than for its legal intended purposes.**

SILENCERCO'S LIABILITY FOR BREACH OF ANY WARRANTY WITH RESPECT TO A SILENCERCO PRODUCT SHALL BE LIMITED TO REPLACING OR REPAIRING THE NONPERFORMING OR DEFECTIVE PRODUCT AS DESCRIBED IN THIS LIMITED WARRANTY. THIS LIMITED WARRANTY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY WITH RESPECT TO A NONPERFORMING OR DEFECTIVE PRODUCT, AND SILENCERCO WILL NOT BE LIABLE FOR ANY OTHER DAMAGES, INCLUDING DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR DIMUNITION IN VALUE DUE TO REPAIR OR REPLACEMENT WITH A DIFFERENT PRODUCT.

For assistance with repairs, please contact our consumer service department at **801.417.5384**.



Register Your SilencerCo Product Online To Activate Your Lifetime Warranty

Protect Your Rights | Protect Your Hearing

The American Suppressor Association is fighting to protect and expand your silencer rights. Join the fight today!

For questions, contact our customer service team at **801.417.5384** or **info@silencerco.com**

© Silencerco, LLC. All rights reserved. The contents of this publication may not be reproduced in any form or by any means in whole or in part without the prior written permission of the copyright owner.